

CONSTRUCTION INSPECTOR I (CIVIL)

DEFINITION

Under general supervision, inspects a variety of new construction and/or maintenance projects for conformance to plans, drawings, sketches and specifications; performs related duties as required.

EXAMPLES OF WORK (Any one position may not include all of the duties listed, nor do the examples cover all of the duties that may be performed.)

Inspects and oversees construction of bridges, highways, streets, alleys, structures, sidewalks, handicap ramps, and other types of construction to insure that procedures and materials comply with plans, specifications, and standard drawings;

Inspects and oversees installation of utility lines such as water lines, sewer lines, gas lines, and electrical lines and lighting to ensure conformance to plans, specifications, and standard drawings;

Investigates complaints of broken sidewalks, pot holes in street and need for repairs to structures; determines property owner's name by checking Court House records; prepares repair notice for mailing to property owner;

Inspects sub-grade and base for street work after final grading, concrete and blacktop paving, curb and cutter forms, sub-drain tile, curing methods;

Tests concrete for percentage of entrained air and makes slump cone tests for workability; checks backfill for settlement, paving aggregates for specification standards;

Measures distances to verify accuracy of dimensions of structural installations, sanitary wyes, and layouts; Measures improved property to make certain that proper charges are assessed;

Verifies levels, alignment, and elevation of installations;

Inspects final cleanup work;

Inspects sanitary and storm sewer construction and repair work; interprets plans and specifications to contractor;

Inspects concrete structures such as bridges, sewage pump stations, manholes, regulator chambers, catch basins, headwalls, siphon chambers, and reinforced steel;

Inspects driving of wood piles, tunnels for correct type of liners;

Prepares descriptions of water lines after installation; draws up survey plans and water line layouts;

Prepares samples of unapproved materials for laboratory testing;

Tracks quantities of materials received or used during specified periods;

Maintains daily log of construction and inspection activities and prepares progress reports; prepares reports of work done;

May recommend changes in location and placement of water lines due to existing conditions; performs hydrostatic test of proposed water lines.

MINIMUM QUALIFICATIONS

Completion of the twelfth school grade and one (1) year of experience in the construction, inspection, or field testing of materials in the construction or repair of streets, roadways, bridges, or large parking areas; laying sewer pipe or water lines; street light installation; or water tank construction. Substitution(s): An associate's degree in Civil Engineering, Construction Management or a related field may be substituted for the experience requirement. A certificate of high school equivalence (GED) will be accepted in lieu of the twelfth grade completion requirements.

Possession of a valid motor vehicle operator's license.

KNOWLEDGE, SKILLS AND ABILITIES

General knowledge of the materials, tools, and methods used in concrete construction work; some knowledge of the working qualities of concrete; some knowledge of sewer and water line construction techniques; some knowledge of electrical and gas line installation; ability to communicate with others orally and in writing; ability to read and interpret blueprints and specifications; ability to see things clearly which are less than two (2) feet away and more than twenty (20) feet away; ability to hold onto, grasp or grip items; ability to develop and maintain cooperative relationships with contractors, associates and City officials; ability to work outdoors in various weather conditions; ability to walk distances on uneven terrain.

Probationary Period:	180 days
Examination:	Competitive
Class Code:	1019
Job Family:	Protective Services
EEO Job Category:	Technician
Compensation Plan:	AFSCME
Salary:	Range 23-26
Class established:	08-08-65
Current spec:	09-24-01
Commission action taken:	Review/no change
Last reviewed:	08-29-05